STATE OF IDAHO

DEPARTMENT OF AGRICULTURE

C.L. "BUTCH" OTTER
Governor
CELIA R. GOULD
Director

September 5, 2013

Valerie Greear
DEQ
1445 N Orchard
Boise, Id 83706

Via Email: Valerie.greear@deq.idaho.gov

Dear Ms. Greear:

On September 4, 2013, the Idaho State Department of Agriculture, Dairy Bureau, received your email request for "construction specs for the lagoon at Wilson Creek Cattle Feeders..."

Enclosed please find the documents you requested.

	DATE	INFORMATION	NUMBER OF PAGES
1.	11-2012	Construction Inspection Reports w/ Email	3
		TOTAL	3

If you have any questions, please call.

Sincerely,

Marv Patten

Marv Patten, Chief
Dairy & CAFO Bureau
Idaho State Department of Agriculture

Certificate of Mailing:

I hereby certify that the original of this letter was sent via email, this 5th day of September, 2013.

Martha Walbey
Administrative Assistant

#88

IDAHO DEPARTMENT OF AGRICULTURE
BUREAU OF DAIRYING
PO BOX 790, BOISE ID 83701-0790
(208)332-8550 334-4062(fax)

CONSTRUCTION INSPECTION REPORT

DAIRY NAME/OWNER/ADDRESS/CITY/PHONE
Wilson Creek Feeders
John Hepton

DATE: 11/28/2012 **TIME:** 1:00pm
CONTRACTOR: Stowalter **PHONE:**
INSPECTION TYPE: ☐ PRELIMINARY ☒ FINAL

Facility meets the following siting requirements:
1. 100' or more from a stream or drain Y N N/A
2. 100' from a private domestic well Y N N/A
3. 1000' from a public well Y N N/A
4. 100' from any residence Y N N/A
5. County P & Z Approval Y N N/A
6. Irrigation & Hwy. District Approval Y N N/A

Soil Analysis Completed by: NRCS Lab Western lab N/A
Limiting Soil Depth: ______" by Rock? Water? Soil?
Liner Required? **(Y)** N
Clay content of soil or soil liner: 17-18 %
Maximum Excavation Depth Allowed: ______"
Has facility been properly sized? **(Y)** N
by: NRCS ISDA U OF I OTHER Contractor

Earthen Storage Pond

Top soil & vegetation cleared from site? **(Y)** N N/A
Excavation Equipment used: Dozer
Core trench installed Y N N/A
Rock encountered during excavation: None Bedrock "Floaters" Gravel
Soil consistent with analysis Y N N/A
How deep was excavation from ground surface? ______"
2' separation from water table? Y N N/A
1'+ soil cap over rock? Y N N/A
If soil liner used, minimum thickness is: ______"
Embankment Lift Thickness: ______"
Compaction Equipment: ______ Passes/Lift: ______
How was water added to embankment? ______
Approximate moisture content of soil during placing: ______

Concrete Storage Pond

Top soil & vegetation cleared from site? Y N N/A
Free draining base under slab Y N
Slab thickness: ______" Reinforcement: Fiber WWF None
Waterstop installed: PVC/Rubber Betonite Tortuous Path
Wall Height ______' Wall Thickness ______' with # ___ rebar @ ___" OC
Wall backfilled with free draining material? Y N N/A
Contraction joints installed Y N Spacing: ___'x___'

Synthetic Liner Storage Pond

Liner specs & plans approved by: ISDA NRCS Not Approved
Sand or other bedding material placed under liner Y N
Liner is: ______ one piece ______ seamed by factory personnel
Liner is: ______ UV protected ______ Capped with ______' of soil

Inside Pond Dimensions

Top Length 565' x Top Width 90' x Depth 8'
Bottom Length 940' x Bottom Width 40'
Inside Slope ___:1 Outside Slope ___:1 Berm Width ______'

Pond Bottom well compacted Y N
Embankments well compacted Y N
Runoff Diversions in place Y N N/A
NRCS has approved construction Y N N/A

Testing

Soil Sample Results:

Description	Clay (L/F)		Penetrometer

Comments

Final inspection of pond. Pond will be used to store feed additives (whey, reclaim water, sludge waste). Rip Rap is suggested where product will be dumped in pond to prevent erosion. It is also suggested to keep cattle off/away from pond to ensure integrity of pond is kept intact.

Construction:
☒ Approved
☐ Not Approved - Action Required (see comments)

Contractor Signature

Inspector Signature [illegible]

Producer Signature

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Hilary Collinsworth

From: Harley Noe Ex. 6 Personal Privacy (PP)
Sent: Wednesday, November 28, 2012 8:26 PM
To: Hilary Collinsworth
Subject: FW: Wilson Creek samples

Here is what I sent to John on the samples for the Wilson Creek Feeders pond. The material looked good and I am confident in Brian's installation procedures. If you feel like you want a second look, you could still send me some samples from the finished floor. Let me know if you need anything additional.

Please give me a quick reply so I know this reached you. Thanks

HARLEY

From: Harley Noe [mailto: Ex. 6 Personal Privacy (PP)
Sent: Thursday, October 18, 2012 5:01 PM
To: John Bilderback
Subject: Wilson Creek samples

I met with Bryan Showalter today and checked textures and clay contents for three samples of borrow material he plans to use on the pond at the Wilson Creek Feedlot. He has removed the upper 18 inches at the borrow site on Jaca Lane and these samples were from layers down to about 5 feet. The textures were silt loams to loams throughout with clay contents of 17 to 18 percent. When properly placed, wetted and compacted this soil will work well for the earthen liner. I emphasized to Bryan that these materials do require a lot of water to get the compaction complete.

He will go to work on the pond and you can send me some grab samples when you do the final inspection. I see no reason that I should need to visit the site as long as I can see some samples.

I will get a copy of this to Bryan. Thanks

Harley Noe
NATURAL RESOURCE SOLUTIONS, LLC
5740 N. Applebrook Way
Boise, Idaho 83713-1393
208.850.4926
FAX 208.939.8602

#88

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BUREAU OF DAIRYING
PO BOX 790, BOISE ID 83701-0790
(208)332-8550 334-4062(fax)

CONSTRUCTION INSPECTION REPORT

Whey Storage Pond

DAIRY NAME/OWNER/ADDRESS/CITY/PHONE
Wilson Creek Feeders
John Hepton

DATE: 11/20/2012 **TIME:** 1200pm
CONTRACTOR: Showalter **PHONE:**
INSPECTION TYPE: ☒ PRELIMINARY ☐ FINAL

Facility meets the following siting requirements:

1. 100' or more from a stream or drain Y N N/A
2. 100' from a private domestic well Y N N/A
3. 1000' from a public well Y N N/A
4. 100' from any residence Y N N/A
5. County P & Z Approval Y N N/A
6. Irrigation & Hwy. District Approval Y N N/A

Soil Analysis Completed by: NRCS Lab ______ N/A
Limiting Soil Depth: ______" by Rock? Water? Soil?
Liner Required? (Y) N
Clay content of soil or soil liner: ______%
Maximum Excavation Depth Allowed: ______"
Has facility been properly sized? Y N
by: NRCS ISDA U OF I OTHER______

Earthen Storage Pond

Top soil & vegetation cleared from site? (Y) N N/A
Excavation Equipment used: Dozer
Core trench installed Y N N/A
Rock encountered during excavation: (None) Bedrock "Floaters" Gravel
Soil consistent with analysis Y N N/A
How deep was excavation from ground surface? ______"
2' separation from water table? Y N N/A
1'+ soil cap over rock? Y N N/A
If soil liner used, minimum thickness is: ______"
Embankment Lift Thickness: ______"
Compaction Equipment: ______ Passes/Lift: ______
How was water added to embankment? ______
Approximate moisture content of soil during placing: ______

Concrete Storage Pond

Top soil & vegetation cleared from site? Y N N/A
Free draining base under slab Y N
Slab thickness: ____" Reinforcement: Fiber WWF None
Waterstop installed: PVC/Rubber Betonite Tortuous Path
Wall Height ____' Wall Thickness ____' with #___rebar @ ____" OC
Wall backfilled with free draining material? Y N N/A
Contraction joints installed Y N Spacing: ____'x____'

Synthetic Liner Storage Pond

Liner specs & plans approved by: ISDA NRCS Not Approved
Sand or other bedding material placed under liner Y N
Liner is: ______one piece ______seamed by factory personnel
Liner is: ______UV protected ______Capped with ____' of soil

Inside Pond Dimensions

Approx.
Top Length 565' x Top Width 90' x Depth ______'
Bottom Length ______' x Bottom Width ______'
Inside Slope ____:1 Outside Slope ____:1 Berm Width ______'

Pond Bottom well compacted Y (N)
Embankments well compacted Y (N)
Runoff Diversions in place Y N N/A
NRCS has approved construction Y N N/A

Testing

Soil Sample Results:

Description	Clay (L/F)	Penetrometer

Comments

Construction of pond is underway. Clay is being brought in as liner. Clay analysis needs to be submitted to dept. Top dimensions of the pond were taken. Dozer is being used to compact sides and bottom. Producer or contractor needs to call dept. for final pond approval.

John Bilderback
332-8541

Construction:
☐ Approved
☒ Not Approved - Action Required (see comments)

Contractor Signature

Inspector Signature
[signature]

Producer Signature
[signature]

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